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Substitute for form 1449/PTO

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number	09/661,773
Filing Date	September 14, 2001
First Named Inventor	Simon F. Williams
Group Art Unit	1614
Examiner Name	<i>[Signature]</i>
Attorney Docket Number	TEPH 102

Sheet 1 of 4

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
<i>[Signature]</i>		4,664,655		Orentreich et al.	05-12-1987	
		4,758,234		Orentreich et al.	07-19-1988	
		4,938,763		Dunn et al.	07-03-1990	
		5,204,382		Wallace et al.	04-20-1993	
		5,278,201		Dunn et al.	01-11-1994	
		5,278,202		Dunn et al.	01-11-1994	
		5,489,470		Noda	02-06-1996	
		5,502,116		Noda	03-26-1996	
		5,563,239		Hubbs, et al.	10-08-1996	
		5,709,854		Griffiths-Cima et al.	01-20-1998	
<i>[Signature]</i>		5,728,752		Scopellanos et al.	03-17-1998	
		5,824,333		Scopellanos et al.	10-20-1998	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Office ⁴	Number ⁴	Kind Code ⁵ (if known)				
<i>[Signature]</i>		WO	94/02184	A1	Medinvent	02-03-1994		
		WO	96/21427	A1	Arix Laboratories, Inc.	07-18-1996		
		WO	96/40304	A1	Reprogenesis, Inc.	12-19-1996		
		WO	99/11196	A1	Point Biomedical Corporation	03-11-1999		
		WO	99/32536	A1	Metabolix, Inc.	07-01-1999		
		WO	98/51812	A2	Metabolix, Inc.	11-19-1998		
<i>[Signature]</i>		EP	0 432 443	A1	Boehringer Ingelheim	06-19-1991		

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Date Considered

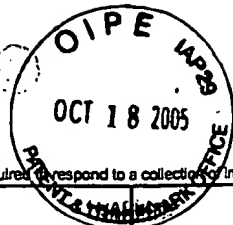
1/25/06

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Substitute for form 1449A/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/661,773
		Filing Date	September 14, 2001
		First Named Inventor	Simon F. Williams
		Group Art Unit	1644
		Examiner Name	<i>[Signature]</i>
Sheet 2 of 4	Attorney Docket Number	TEPH 102	

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
<i>[Signature]</i>		AGOSTINI, et al., "Synthesis and Characterization of Poly-β-Hydroxybutyrate. I. Synthesis of Crystalline DL Poly-β-Hydroxybutyrate from DL- β-Butyrolactone," <i>Polym. Sci. Part A-1</i> , 9:2775-2787 (1971).	
		BYROM, "Miscellaneous Biomaterials," in <i>Biomaterials</i> , (D. Byrom, ed.) pp. 333-359 (MacMillan Publishers, London 1991).	
		DE KONING et al., <i>Polymer</i> 35:2090-97 (1994);	
		DE SMET, et al., "Characterization of intracellular inclusions formed by <i>Pseudomonas oleovorans</i> during growth on octane," <i>J. Bacteriol.</i> 154:870-78 (1983).	
		DUBOIS, et al., "Macromolecular Engineering of Poly(lactones and Poly(lactides). 12. Study of the Depolymerization Reactions of Poly (ε-caprolactone) with Functional Aluminum Alkoxide End Groups," <i>Macromolecules</i> 26:4407-12 (1993).	
		GAGNON, et al., <i>Polymer</i> 35:4358-67 (1994).	
		GAGNON, et al., <i>Polymer</i> 35:4368-75 (1994).	
		GROSS, et al., "Polymerization of β-monosubstituted-ε-propiolactones using trialkylaluminum-water catalytic systems and polymer characterization," <i>Macromolecules</i> 21:2657-2668 (1988).	
<i>[Signature]</i>		HOCKING & MARCHESSAULT, "Syndiotactic poly[(R,S)-β-hydroxybutyrate] isolated from methylaluminum-oxane-catalyzed polymerization," <i>Polym. Bull.</i> 30:163-170 (1993).	
		HOCKING & MARCHESSAULT, "Biopolyesters" Griffin, Ed., "Chemistry and Technology of Biodegradable Polymers," pp. 48-96 (Chapman and Hall, London, 1994).	

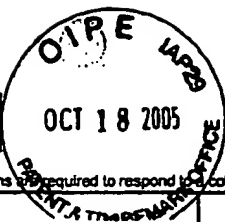
Examiner's Signature	<i>[Signature]</i>	Date Considered	1/25/06
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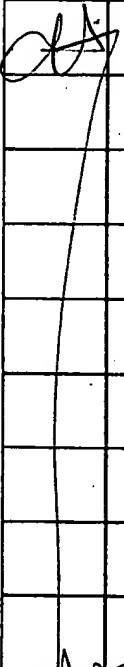
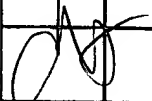
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Application Number	09/661,773
Filing Date	September 14, 2001
First Named Inventor	Simon F. Williams
Group Art Unit	1614 1615
Examiner Name	C. A. Spence
Attorney Docket Number	TEPH 102

Sheet 3 of 4

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T‡
		HOLMES, "Biologically Produced (R)-3-hydroxyalkanoate Polymers and Copolymers," in Bassett Ed., "Developments in Crystalline Polymers," pp. 1-65 (Elsevier, London, Vol. 2, , 1988).	
		HORI, et al., "Ring-Opening Copolymerization of Optically Active L-Butyrolactone with Several Lactones Catalyzed by Distannoxane Complexes: Synthesis of New Biodegradable Polyesters," <i>Macromolecules</i> 26:4388-4390 (1993).	
		HORI, et al., "Ring-Opening Polymerization of Optically Active L-Butyrolactone Using Distannoxane Catalysts: Synthesis of High Molecular Weight Poly(3-hydroxybutyrate)," <i>Macromolecules</i> 26:5533-5534 (1993).	
		KEMNITZER, et al., "Preparation of predominantly Syndiotactic Poly(L-hydroxybutyrate) by the Tributyltin Methoxide Catalyzed Ring-Opening Polymerization of racemic L-Butyrolactone," <i>Macromolecules</i> 26:1221-1229 (1993).	
		KOOSHA, "Preparation and characterization of biodegradable polymeric drug carriers," Ph.D. Dissertation, 1989, Univ. Nottingham, UK., <i>Diss. Abstr. Int. B</i> 51:1206 (1990).	
		LAFFERTY et al., "Microbial Production of Poly-β-hydroxybutyric acid," Rehm and Reed, Eds., "Biotechnology" Verlagsgesellschaft, Weinheim, Vol. 66, 1988, pp. 135-176.	
		LE BORGNE & SPASSKY, "Stereoselective polymerization of L-butyrolactone," <i>Polymer</i> 30:2312-2319 (1989).	
		LEMOIGNE and ROUKHELMAN, "Fermentation L-Hydroxybutyrique Caracterisation et Evolution Des Produits de Deshydratation et de Polymerisation de L'acide L-Dehydroxybutyrique," <i>Annales des fermentations</i> , 5:527-36 (1925).	
		MADISON & HUISMAN, "Metabolic engineering of poly(3-hydroxyalkanoates): from DNA to plastic," <i>Microbiol. Mol. Biol. Rev.</i> 63:21-53 (1999).	
			MÜLLER & SEEBACH, "Poly(hydroxyalkanoates): A Fifth Class of Physiologically Important Organic Biopolymers," <i>Angew. Chem. Int. Ed. Engl.</i> 32:477-502 (1993).

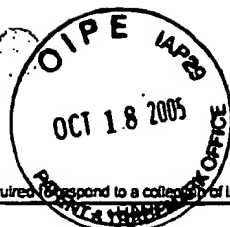
Examiner's Signature	[Signature]	Date Considered	1/25/06
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/661,773
		Filing Date	September 14, 2001
		First Named Inventor	Simon F. Williams
		Group Art Unit	1614
		Examiner Name	Chapman
Sheet 4 of 4	Attorney Docket Number	TEPH 102	

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
[Signature]		POUTIN & AKHTAR, "Biosynthetic polyhydroxyalkanoates and their potential in drug delivery," <i>Advanced Drug Delivery Reviews</i> 18:133-162 (1996).	
		STEINBÜCHEL, et al., "A <i>Pseudomonas</i> strain accumulating polyesters of 3-hydroxybutyric acid and medium-chain-length 3-hydroxyalkanoic acids," <i>Appl. Microbiol. Biotechnol.</i> 37:691-97 (1992).	
		STEINBÜCHEL, "Polyhydroxyalkanoic Acids," in Byrom Ed., "Biomaterials" MacMillan Publishers, London, 1991, pp. 123-213.	
		TANAHASHI & DOI, "Thermal Properties and Stereoregularity of Poly(3-hydroxybutyrate) Prepared from optically Active β-Butyrolactone with a Zinc-Based Catalyst," <i>Macromolecules</i> 24:5732-5733 (1991).	
		WALLEN and ROHWEDDER, "Poly-β-hydroxyalakaonate from Activated Sludge," <i>Environ. Sci. Technol.</i> 8:576-79 (1974).	
		WILLIAMS & PEOPLES, "Biodegradable plastics from plants," <i>CHEMTECH</i> 26:38-44 (1996).	
		WILLIAMS & PEOPLES, "Making Plastics Green," <i>Chem. Br.</i> 33:29-32 (1997).	
[Signature]		WILLIAMS, et al., "PHA applications: addressing the price performance issue I. Tissue engineering," <i>Int. J. Biol. Macromol.</i> 25:111-121 (1999).	
		XIE, et al., "Ring-opening Polymerization of β-butyrolactone by Thermophilic Lipases," <i>Macromolecules</i> 30:6997-6998 (1997).	

Examiner's Signature	[Signature]	Date Considered	1/25/06
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				Application Number	09/661,773
				Filing Date	September 14, 2000
				First Named Inventor	Simon F. Williams
				Group Art Unit	1815
				Examiner Name	Carlos A. Azpuru
Sheet	1	of	1	Attorney Docket Number	TEPH 102

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Examiner's Signature	<i>[Signature]</i>	Date Considered	1/25/06
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